

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A transmission device comprising:  
a redundant bit addition unit for adding redundant ~~bit data to each bit of provided data~~ bits to a set of specific bits within a plurality of bits composing provided data to generate coded data, said specific bits having high importance; and  
a modulation unit for sending a modulated wave signal which has been generated based on the coded data generated by said redundant bit addition unit.
2. (Original) The transmission device according to claim 1, wherein:  
said redundant bit addition unit arranges symbols added with said redundant bit data such that a Euclidean distance of the data added with the redundant bit data becomes large.
3. (Currently Amended) The transmission device according to claim 1, wherein:  
said redundant bit addition unit adds the redundant ~~bit data to each bit~~ bits to said set of specific bits of said provided data such that a Gray code is generated.
4. (Cancelled)
5. (Currently Amended) The transmission device according to ~~any of claims 1 to 4~~ claim 1, wherein:  
said modulation unit performs modulation according to a multivalued FSK method.

6. (Currently Amended) A reception device for receiving ~~a signal which has been generated based on data added with redundant bit data such that coded data is generated~~, an encoded data signal which is obtained by adding redundant bits to a set of specific bits within a plurality of bits composing data for transmission, said specific bits having high importance, said reception device comprising:

a demodulation unit for demodulating said received encoded data signal;

a symbol decision unit for performing a symbol decision at each Nyquist interval for the signal which has been demodulated by said demodulation unit;

a bit conversion unit for converting a symbol value, which has been provided by performing the symbol decision by said symbol decision unit, into a bit value; and

a data recovery unit for composing a data string by deleting the added redundant bit from the data of the bit value, which has been converted by said bit conversion unit, to restore original data.

7. (Currently Amended) The reception device according to claim [[5]] 6, wherein:

said received signal is a signal which has been modulated according to a multivalued FSK method, said demodulation unit demodulates the received signal by converting the received signal into a signal of a voltage corresponding to a frequency of said received signal, and said symbol decision unit performs the symbol decision by comparing the voltage of the signal, which has been demodulated by said demodulation unit, with preset threshold values.

8. (Cancelled)

9. (Currently Amended) A method for transmitting data, said method comprising the steps of:

adding ~~[[a]] redundant bit to each bit of~~ bits to a set of specific bits within a plurality of bits composing provided data to generate coded data, said specific bits having high importance; and

sending a signal which has been generated based on said generated coded data.

10. (Original) A method for receiving data, said method comprising the steps of:

receiving ~~[[a]] an encoded data~~ signal which ~~has been generated based on data added with redundant bit data such that coded data is generated~~ is obtained by adding redundant bits to a set of specific bits within a plurality of bits composing data for transmission, said specific bits having high importance;

demodulating the received encoded data signal to obtain a demodulated signal;

performing a symbol decision at each Nyquist interval for the signal which has been demodulated;

converting a symbol value provided as a result of the symbol decision into a bit value; and

composing a data string by deleting the added redundant bit from the data of said bit value which has been converted, to restore original data.

11. (New) The transmission device according to claim 2, wherein:  
said modulation unit performs modulation according to a multivalued FSK method.

12. (New) The transmission device according to claim 3, wherein:  
said modulation unit performs modulation according to a multivalued FSK method.